

A-71431-4

Replacement Sheet

1 / 13

SEQ ID NO:1 human interferon alpha 1 (GenBank 13128950)

MASPFALLMVLVVLSCSSCSLGCPLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGF
PQEEFDGNQFQKAPASVLHELIQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQNLNDLEACV
MQEERVGETPLMNADSILAVKKYFRRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERL
RRKE

SEQ ID NO:2 human interferon alpha-2a (GenBank 2781226)

CDLPQTHSLGSRRTLMLLAQMRKISLFSCCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQ
QIFNLSTKDSSAAWDETLLDKFYTELYQQNLNDLEACVIQGVGVGTETPLMKEDSILAVRKYF
QRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLSKE

SEQ ID NO:3 human interferon alpha-2b (GenBank 30171279)

MCDLPQTHSLGSRRTLMLLAQMRKISLFSCCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMI
QQIFNLSTKDSSAAWDETLLDKFYTELYQQNLNDLEACVIQGVGVGTETPLMKEDSILAVRKY
FQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLSKE

SEQ ID NO:4 human interferon alpha 4 (GenBank 10835103)

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISHFSCCLKDRHDFGFP
EEEFDGHQFQKAQAISVLHEMIQQTFFNLSTEDSSAAWEQSLLEKFSTELYQQNLNDLEACVI
QEVGVEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKRLR
RKD

SEQ ID NO:5 human interferon alpha 5 (GenBank 4504597)

MALPFVLLMALVVLNCKSICSLGCDLPQTHSLSNRRRTLMMAQMGRISPFSCCLKDRHDFGFP
QEEFDGNQFQKAQAISVLHEMIQQTFFNLSTEDSSATWDETLLDKFYTELYQQNLNDLEACM
MQEVGVEDTPLMNVDILTVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSANLQERL
RRKE

SEQ ID NO:6 human interferon alpha 6 (GenBank 11128015)

MALPFALLMALVVLSCSSCSLDCDLPQTHSLGHRRTMMLLAQMRRISLFSCCLKDRHDFRF
PQEEFDGNQFQKAQAISVLHEVIQQTFFNLSTEDSSAVWDERLLDKLYTELYQQNLNDLEAC
VMQEVWVGGTPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSSSRNLQE
RLRRKE

SEQ ID NO:7 human interferon alpha 7 (GenBank 10800142)

MARSFSLLMAVLVLSYKSICSLGCDLPQTHSLRNRRALILLAQMGRISPFSCCLKDRHEFRFP
EEEFDGHQFQKTQAISVLHEMIQQTFFNLSTEDSSAAWEQSLLEKFSTELYQQNLNDLEACVI
QEVGVEETPLMNEDFILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSTNLKKGLR
RKD

SEQ ID NO:8 human interferon alpha 8 (GenBank 4504599)

MALTFYLMVALVLSYKSFSSLGCDLPQTHSLGNRRALILLAQMRRISPFSCCLKDRHDFEFP
QEEFDGKQFQKAQAISVLHEMIQQTFFNLSTEDSSAALDETLLDEFYIELDQQLNDLEVLCD
QEVGVIESPLMYEDSILAVRKYFQRITLYLTEKKYSSCAWEVVRAEIMRSFSLINLQKRLKS
KE

SEQ ID NO:9 human interferon alpha 10 (GenBank 4504589)

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLGQMGRISPFSCCLKDRHDFRIPQ
EEFDGNQFQKAQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQNLNDLEACVIQ
EVGVEETPLMNEDSILAVRKYFQRITLYLIERKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRK
D

SEQ ID NO:10 human interferon alpha 13 (GenBank 13128966)

MASPFALLMALVVLSCSSCSLGCPLPETHSLDNRRRLMLLAQMSRISPSSCLMDRHDFGF
PQEEFDGNQFQKAPASVLHELIQQIFNLTFTKSSAAWDEDLLDKFCTELYQQNLNDLEACV
MQEERVGETPLMNADSILAVKKYFRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERL
RRKE

SEQ ID NO:11 human interferon alpha 14 (GenBank 4504591)

MALPFALMMALVVLSCSSCSLGCNLSQTHSLNNRRRLMLMAQMRRISPFSCLKDRHDFE
FPQEEFDGNQFQKAQAISVLHEMMQQTFNLFSTKNSSAAWDETLLKFYIELFQQMNDLEA
CVIQEVGVEETPLMNEDSILAVKKYFQRITLYLMEKKYSPCAWEVVRAEIMRSFSFSTNLQK
RLRRKD

SEQ ID NO:12 human interferon alpha 16 (GenBank 4504593)

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISHFSCCLKDRYDFGFP
QEVFDGNQFQKAQAISAFHEMIQQTFNLFSTKDSSAAWDETLLDKFYIELFQQNLNDLEACV
QEVGVEEIALMNEDSILAVRKYFQRITLYLMGKKYSPCAWEVVRAEIMRSFSFSTNLQKGLR
RKD

SEQ ID NO:13 human interferon alpha 17 (GenBank 10880985)

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCCLKDRHDFGLP
QEEFDGNQFQKTQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQNLNLEACV
QEVGMEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKILR
RKD

SEQ ID NO:14 human interferon alpha 21 (4504595)

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCCLKDRHDFGFP
QEEFDGNQFQKAQAISVLHEMIQQTFNLFSTKDSSATWEQSLLEKFSTELNQQNLNDMEACV
IQEVGVEETPLMNVDSILAVKKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSKIFQERLR
RKE

SEQ ID NO:15 human interferon beta (GenBank 124469), signal peptide deleted

MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRNIFYFINRLTGYLNR

SEQ ID NO:16 human interferon kappa (GenBank 14488028)

MSTKPDMIQKCLWLEILMGIFIAGTSLDCNLLNVHLRRVTWQNLRLHSSMSNSFPVECLRE
NIAFELPQEFLQYTQPMKRDIKAFYEMSLQAFNIFSQHTFKYWKERHLKQIQIGLDQQA
EYLNQCLEEDENENEDMKEMKENEMKPSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEI
VRVEIRRCLYYFYKFTALFRRK

SEQ ID NO:17 human interferon tau (GenBank 28882045)

MIKHFFGTVLVLLASTTIFSLDLKLIIFQQRQVQNQESLKLLNKLQTLISIQQCLPHRKNFLLPQK
SLSPQQYQKGHTLAILHEMLQQIFSLFRANISLDGWEENHTEKFLIQLHQQLEYLEALMGLE
AEKLSGTLGSDNLRRLQVKMYFRRIH DYLENQDYSTCAWAIVQVEISRCLFFVFSLTEKLSKQ
GRPLNDMKQELTTEFRSPR

SEQ ID NO:18 human interferon omega (GenBank 4504605)

MALLFPLLAALVMTSYSPVGS LGCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDFRFP
QEMVKGSQLQKAHVMSVLHEMLQQIFSLFHTERSSAAWNMTLLDQLHTGLHQQLQHLETC
LLQVVGESESAGAISSPALTLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQE
RLRSKDRDLGSS

SEQ ID NO:19 interferon beta variant #2 L5Q in C17S background

MSYNQLGFLQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTGYLRN

SEQ ID NO:20 interferon beta variant #7 L5Q/F8E in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTGYLRN

SEQ ID NO:21 interferon beta variant #15 L5Q/F8E/F111N in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKLMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTGYLRN

SEQ ID NO:22 interferon beta variant #23 L5Q/F8E/L116E in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTGYLRN

SEQ ID NO:23 interferon beta variant #36 F8E/F111N/L116E in C17S background

MSYNLLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTGYLRN

SEQ ID NO:24 interferon beta variant #39 L5Q/F8E/F111N/L116E in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTGYLRN



SEQ ID NO:25 interferon beta variant #64 L5Q/F8E/L47K/F111N/L116E/L120R in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQKQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSRHLK
RYYGRILHYLKAKEYSHCAWTIVRVEI LRNFYFINRLTGylRN

SEQ ID NO:26 interferon kappa variant #4_G7 V8N/W15R/Y48Q/M52N/F76S/Y78A/I89T
LDCNLLNNHLRRVTRQNLRLHLSSMSNSFPVECLRENI AFELPQEFLQQTQPNKRDIKKAFYE
MSLQAFNIFSQHTSKAWKERHLKQIQGTGLDQQA EYLNQCLEEDENENEDMKEMKENEMKP
SEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

SEQ ID NO:27 interferon kappa variant #46_E2
W15R/I37N/Y48Q/M52N/F76S/Y78A/I89T/ Y97D/V161A/C166A/Y168S/Y171T
LDCNLLNVHLRRVTRQNLRLHLSSMSNSFPVECLRENN AFELPQEFLQQTQPNKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQGTGLDQQA EDLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRAEIRRALSYFTKFTALFRRK

SEQ ID NO:28 interferon kappa variant #47_C4 W15R/F76S/Y78A
LDCNLLNVHLRRVTRQNLRLHLSSMSNSFPVECLRENI AFELPQEFLQYTQPMKRDIKKAFYE
MSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQA EYLNQCLEEDENENEDMKEMKENEMKP
SEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

SEQ ID NO:29 interferon kappa variant #23_C10 I37N/Y48Q/M52N/F76S/Y78A/Y97D
LDCNLLNVHLRRVTWQNLRLHLSSMSNSFPVECLRENN AFELPQEFLQQTQPNKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQA EDLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

SEQ ID NO:30 interferon kappa variant #40_A10 W15R/I37N/F76S/Y78A
LDCNLLNVHLRRVTRQNLRLHLSSMSNSFPVECLRENN AFELPQEFLQYTQPMKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQA EYLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

FIG._1D

Replacement Sheet

5 / 13

Seq.
ID

31	1: 24	CDLPETHSLDNRRITLMLLAQMSRISPSSCLMDRHDFGFPQEEFDGNQFQKAPAI SVLHEL	83
32	2a: 2	CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDFGFPQEEF-GNQFQKAETIPVLHEM	60
33	2b: 2	CDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEF-GNQFQKAETIPVLHEM	60
34	4: 24	CDLPQTHSLGNRRALILLAQMGRISHFSCLKDRHDFGFPPEEFDGHQFQKAQAISVLHEM	83
35	5: 24	CDLPQTHSLSNRRITLMIMAQMGRISPFSCLKDRHDFGFPQEEFDGNQFQKAQAISVLHEM	83
36	6: 24	CDLPQTHSLGHRRTMMLLAQMRRISLFSCLKDRHDFRFPQEEFDGNQFQKAEAISVLHEV	83
37	7: 24	CDLPQTHSLRNRRALILLAQMGRISPFSCLKDRHEFRFPPEEFDGHQFQKTQAISVLHEM	83
38	8: 24	CDLPQTHSLGNRRALILLAQMRRISPFSCLKDRHDFEFPQEEFDDKQFQKAQAISVLHEM	83
39	10: 24	CDLPQTHSLGNRRALILLGQMGRISPFSCLKDRHDFRIPQEEFDGNQFQKAQAISVLHEM	83
40	13: 24	CDLPETHSLDNRRITLMLLAQMSRISPSSCLMDRHDFGFPQEEFDGNQFQKAPAI SVLHEL	83
41	14: 24	CNLSQTHSLNRRITLMLMAQMRRISPFSCLKDRHDFEFPQEEFDGNQFQKAQAISVLHEM	83
42	16: 24	CDLPQTHSLGNRRALILLAQMGRISHFSCLKDRYDFGFPQEVFDGNQFQKAQAISAFHEM	83
43	17: 24	CDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFGLPQEEFDGNQFQKTQAISVLHEM	83
44	21: 24	CDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFGFPQEEFDGNQFQKAQAISVLHEM	83
31	1: 84	IQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDEACVMQEERVGETPLMNADSILAV	143
32	2a: 61	IQQIFNLFTSKDSSAAWDETLLDKFYTELYQQLNDEACVIQGVGTETPLMKEDSILAV	120
33	2b: 61	IQQIFNLFTSKDSSAAWDETLLDKFYTELYQQLNDEACVIQGVGTETPLMKEDSILAV	120
34	4: 84	IQQTFNLFTSTEDSSAAWEQSLEKFSSTELYQQLNDEACVIEVGVEETPLMNEDSILAV	143
35	5: 84	IQQTFNLFTSKDSSATWDETLLDKFYTELYQQLNDEACMMQEVGVEDTPLMNVDSILTV	143
36	6: 84	IQQTFNLFTSKDSSVAWDERLLDKLYTELYQQLNDEACVMQEVWVGGTPLMNEDSILAV	143
37	7: 84	IQQTFNLFTSTEDSSAAWEQSLEKFSSTELYQQLNDEACVIEVGVEETPLMNEDFILAV	143
38	8: 84	IQQTFNLFTSKDSSAALDETLLDEFYIELDQQLNDEVLCDQEVGVIESPLMYEDSILAV	143
39	10: 84	IQQTFNLFTSTEDSSAAWEQSLEKFSSTELYQQLNDEACVIEVGVEETPLMNEDSILAV	143
40	13: 84	IQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDEACVMQEERVGETPLMNADSILAV	143
41	14: 84	MQQTFNLFTSKNSSAAWDETLLDKFYIELFQQMNDEACVIEVGVEETPLMNEDSILAV	143
42	16: 84	IQQTFNLFTSKDSSAAWDETLLDKFYIELFQQLNDEACVTQEVGVEEIALMNEDSILAV	143
43	17: 84	IQQTFNLFTSTEDSSAAWEQSLEKFSSTELYQQLNLEACVIEVGMEETPLMNEDSILAV	143
44	21: 84	IQQTFNLFTSKDSSATWEQSLEKFSSTELNQQLNDEACVIEVGVEETPLMNVDSILAV	143
31	1: 144	KKYFRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE	189
32	2a: 121	RKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE	166
33	2b: 121	RKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE	166
34	4: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRKD	189
35	5: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSANLQERLRRKE	189
36	6: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSSSRNLQERLRRKE	189
37	7: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSFSTNLKKGLRRKD	189
38	8: 144	RKYFQRITLYLTEKKYSSCAWEVVRAEIMRSFSLINLQKRLKSKE	189
39	10: 144	RKYFQRITLYLIERKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRKD	189
40	13: 144	KKYFRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE	189
41	14: 144	KKYFQRITLYLMEKKYSPCAWEVVRAEIMRSFSFSTNLQKRLRRKD	189
42	16: 144	RKYFQRITLYLMGKKYSPCAWEVVRAEIMRSFSFSTNLQKGLRRKD	189
43	17: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKILRRKD	189
44	21: 144	KKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSKIFQERLRRKE	189

Seq.
ID

45 IFNK: ldcnllnvhlrrvtwqnlrhlssmsnsfpveclreniafelpqeqlqytq
46 1AU1: MSYNLLGFLQRSSNFQCQKLLWQLNGRLEY-CLKDRMNFDIPEEIKQLQQ
47 1B5L: CYLSRKLMLDAR-ENLKLLDRMNRLSPHSCLQDRKDFGLPQEMVEGDQ
48 1ITF: CDLPQTHSLGSR-RTLMLLAQMRKISLFSCLKDRHDFGFPQE-EFGNQ

45 IFNK: pmkrdikkafyemslqafnifsqht--fkywkerhkhqigldqqaeyln
46 1AU1: FQKEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLK
47 1B5L: LQKDQAFPVLYEMLQQSFNLFYTEHSSAAWDTTLLLEQLCTGLQQQLDHL
48 1ITF: FQKAETIPVLHEMIQQIFNLFSTKDSSAAWDETLLDKFYTELYQQQLNDLE

45 IFNK: qcleedenenedmkemkenemkpsearvpqlsslelrryfhridnflkek
46 1AU1: TV-----LEEKLEKEDFTRGKLMSSLHLKRYYGRIHLHYLKAK
47 1B5L: TC-----RG|MDPIVTVKKYFQGIYDYLQEK
48 1ITF: AC-----VIQGVGVTTETPLMKEDSILAVRKYFQRITLYLKEK

45 IFNK: kysdcaweivrveirrclyyfykftalfrrk
46 1AU1: EYSHCAWTIVRVEILRNIFYFINRLTGYLRLN
47 1B5L: GYSDCAWEIVRVEMMRALTVSTTLQKRLTK
48 1ITF: KYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE

FIG._3

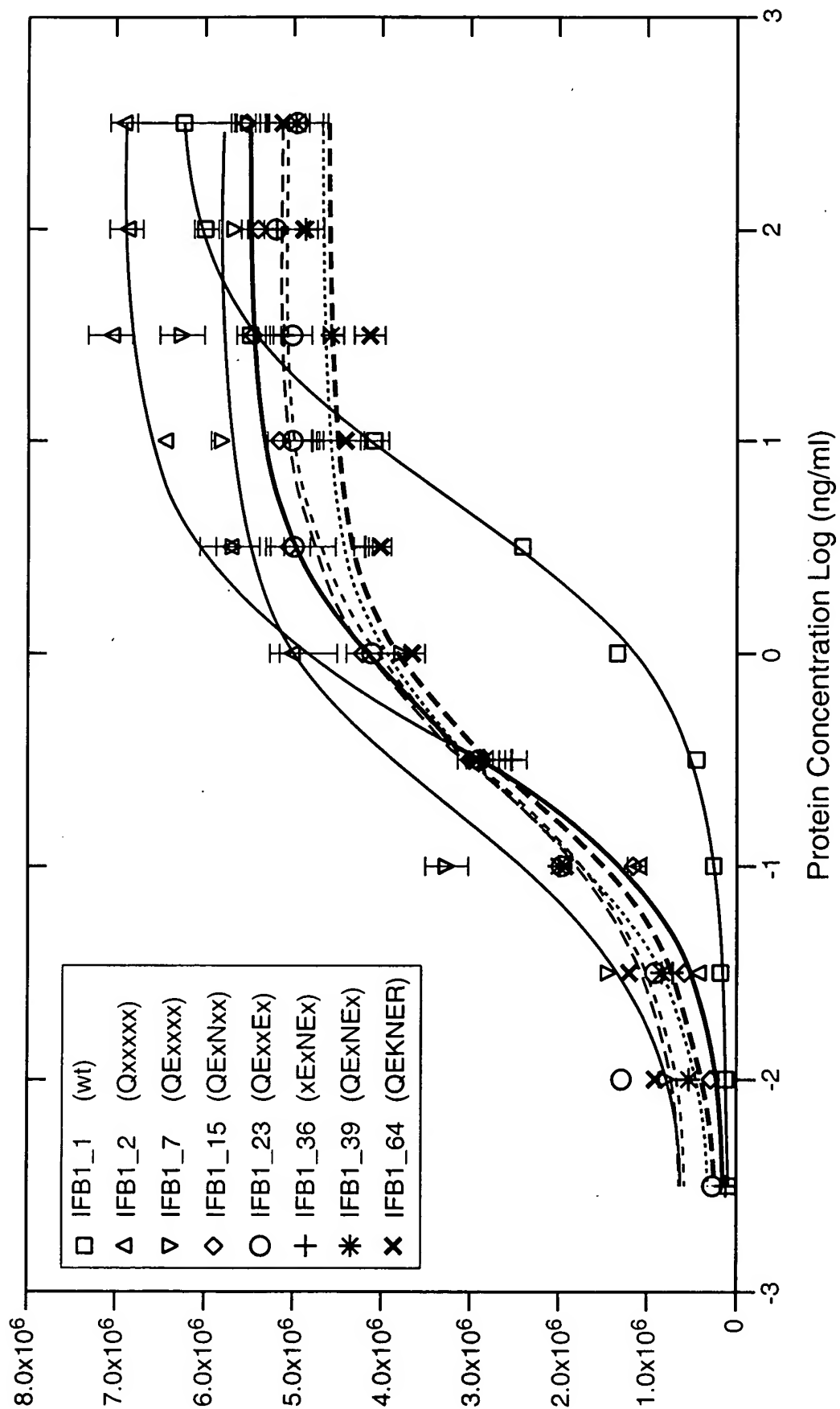


FIG. 4

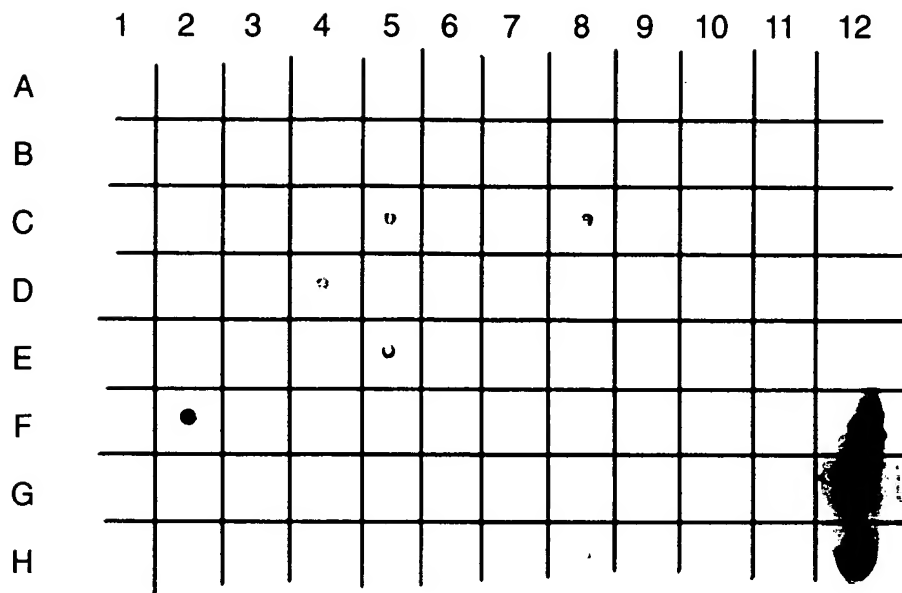


FIG._5

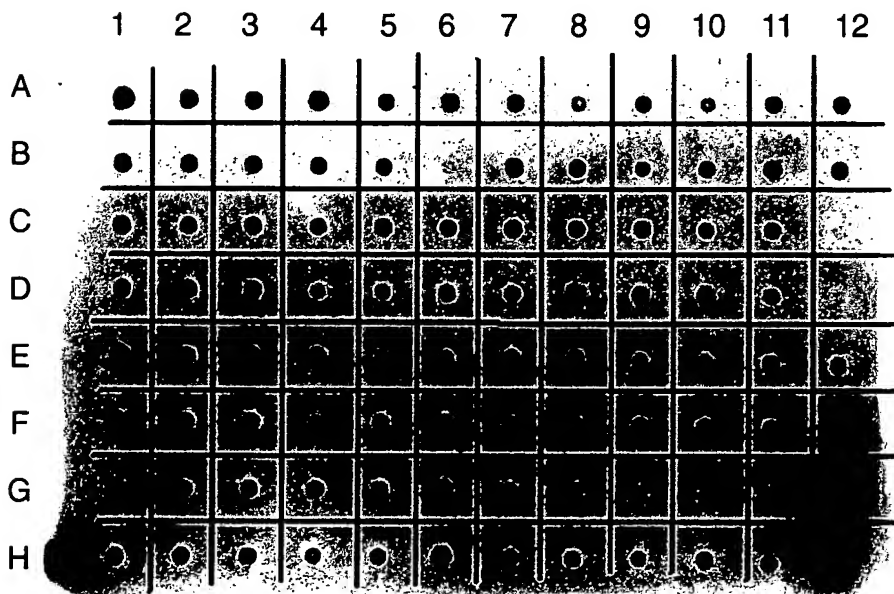
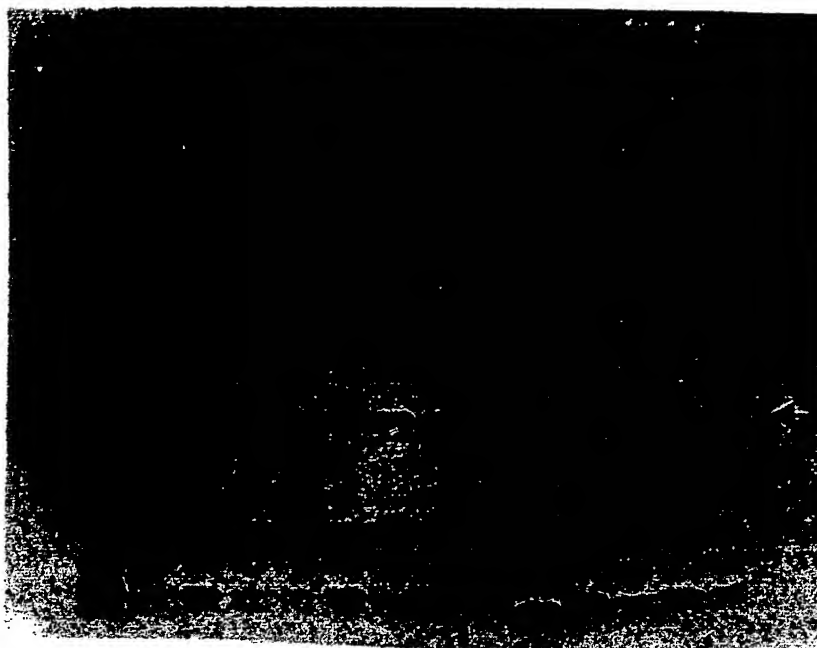


FIG._6

9 / 13

BEST AVAILABLE COPY

**IK1 Retest Plate #1
Western #3**



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

FIG. 7

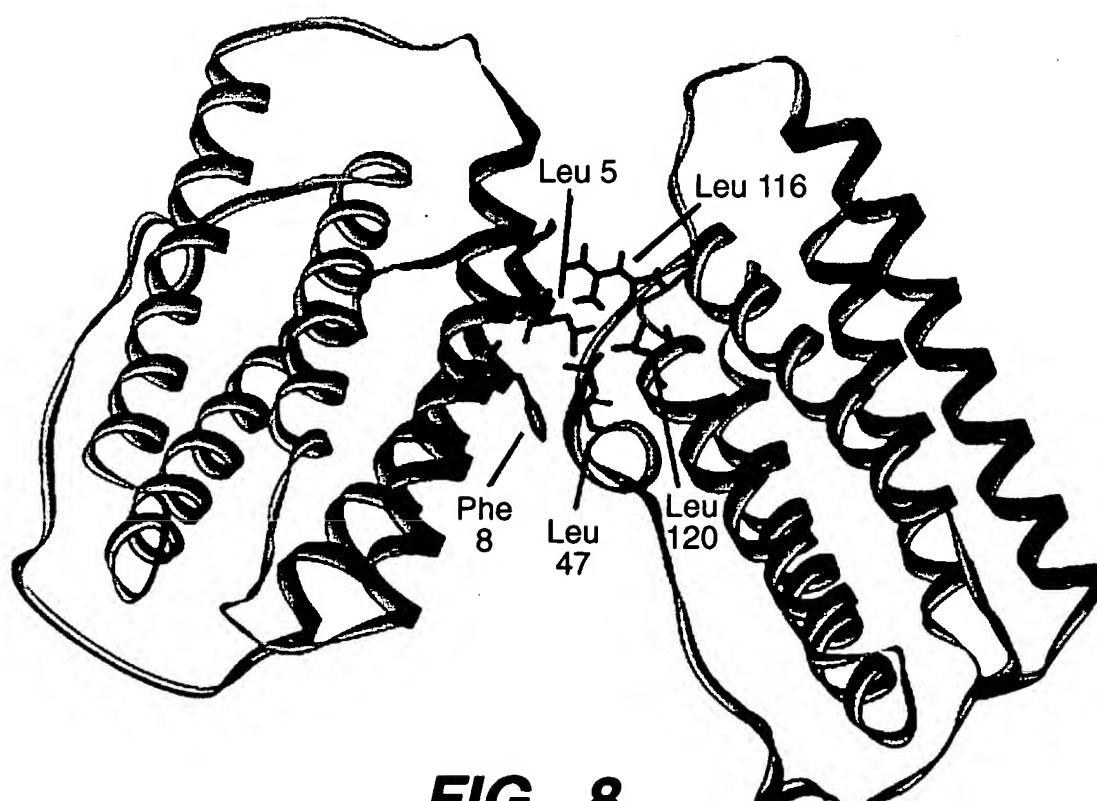
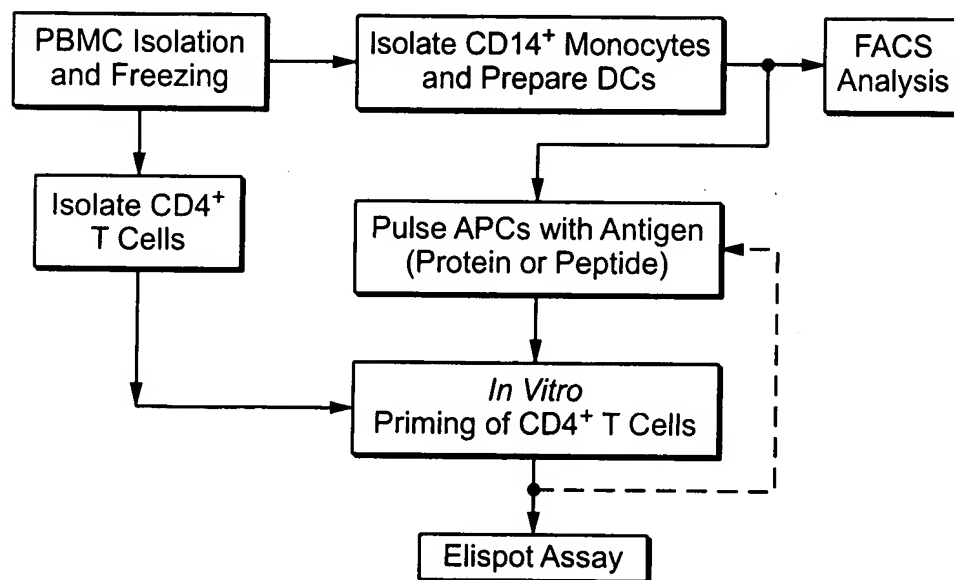
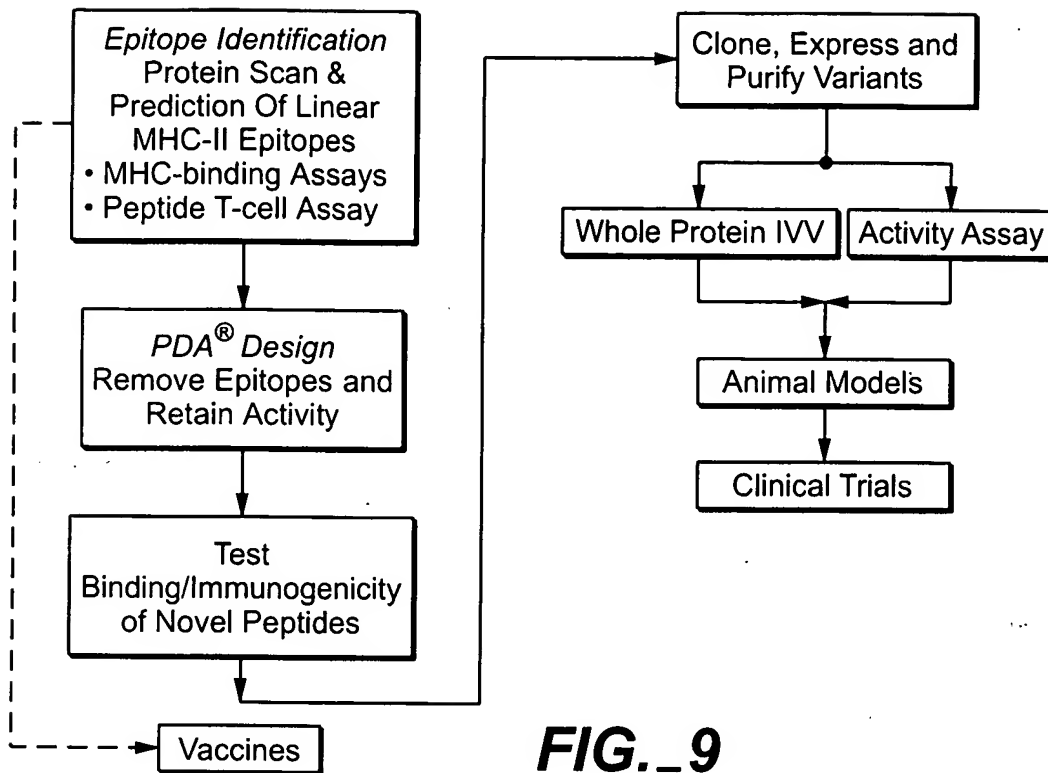
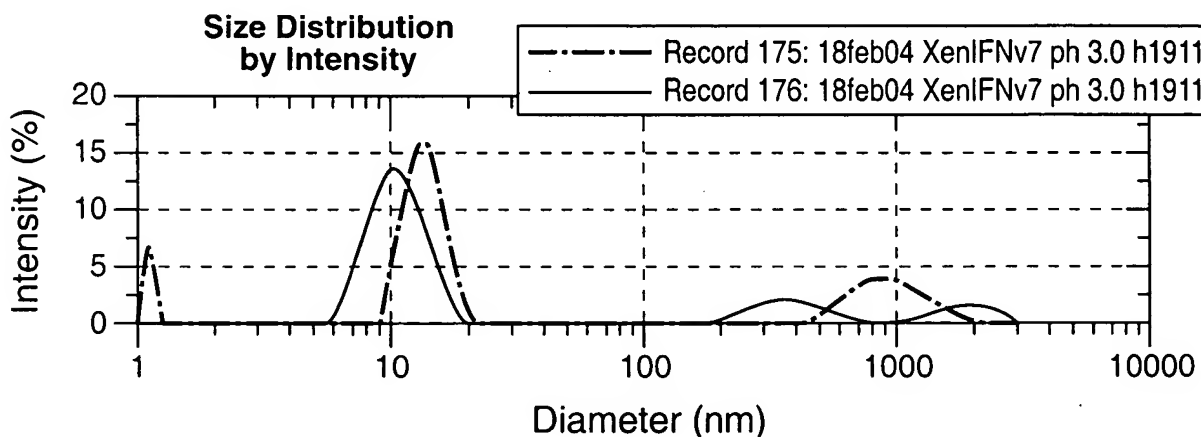


FIG 8



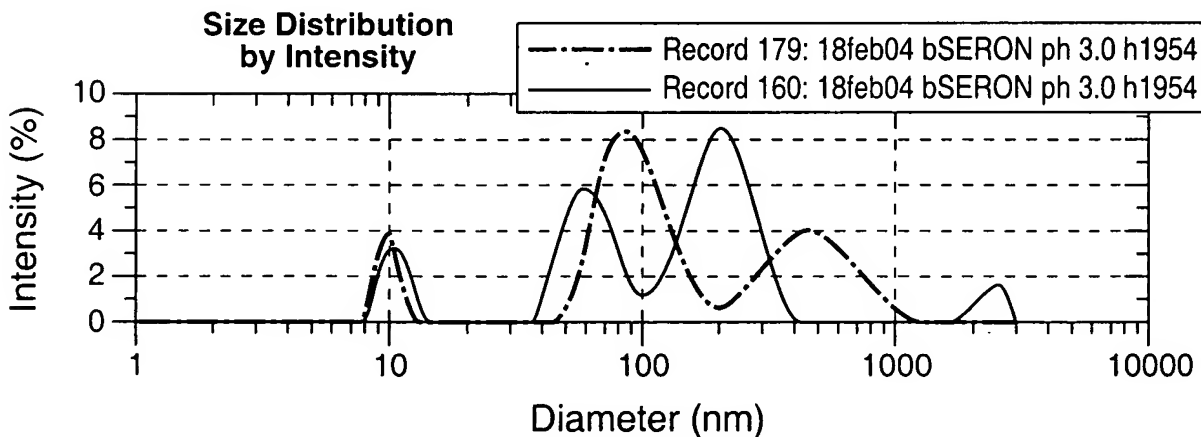
Count Rate (Kcps): 39	Measurement Position (mm): 4.20
Measurement Duration(s): 140	Attenuation Index: 11

Z-Average Size (nm): 17.82	Peak 1 Mean: 10.95	% (Intensity): 75	Width: 2.557
Polydispersity Index: 0.205	Peak 2 Mean: 389.5	% (Intensity): 15	Width: 117.6
	Peak 3 Mean: 1937	% (Intensity): 9	Width: 424.8

**FIG. 11A**

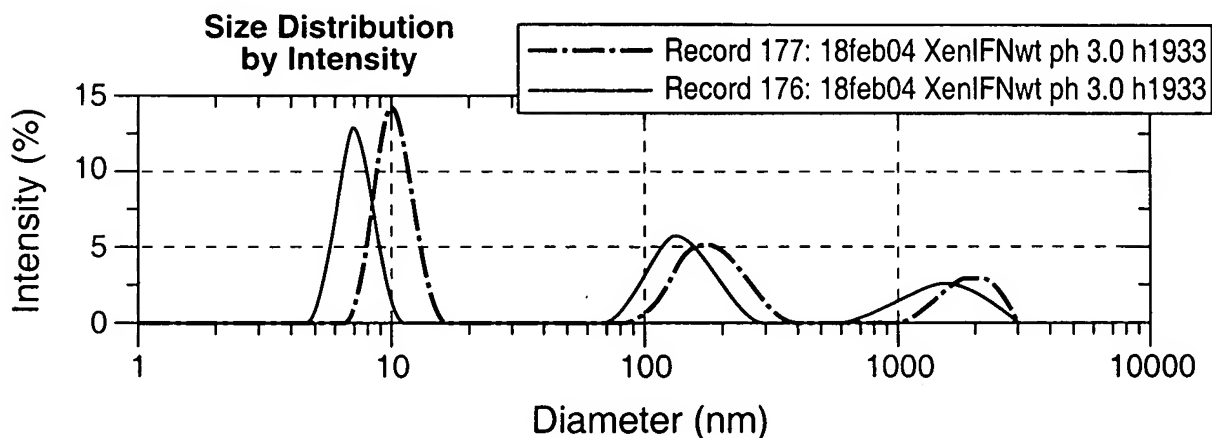
Count Rate (Kcps): 99	Measurement Position (mm): 4.20
Measurement Duration(s): 100	Attenuation Index: 11

Z-Average Size (nm): 83.88	Peak 1 Mean: 10.73	% (Intensity): 9	Width: 1.176
Polydispersity Index: 0.513	Peak 2 Mean: 64.84	% (Intensity): 31	Width: 15.05
	Peak 3 Mean: 211.1	% (Intensity): 54	Width: 58.65

**FIG. 11B**

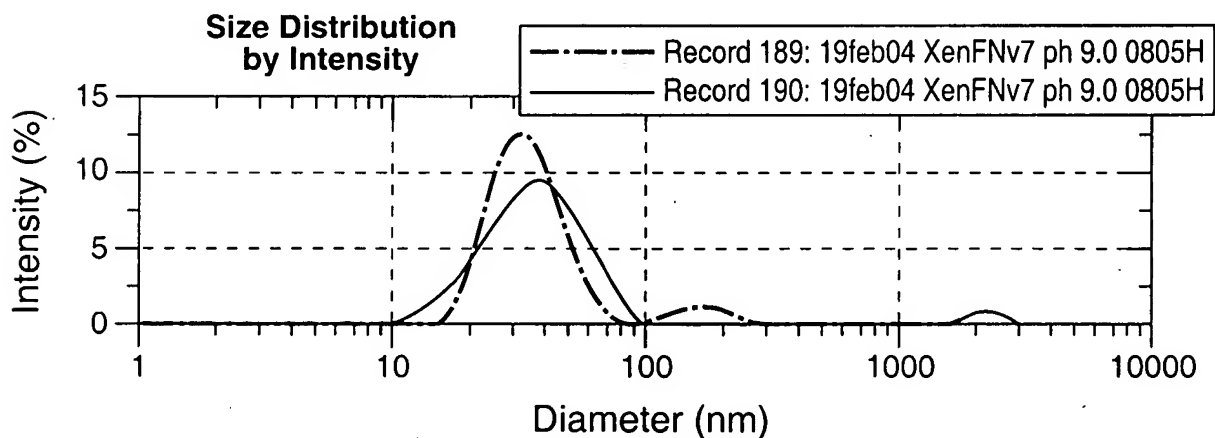
Count Rate (Kcps): 42	Measurement Position (mm): 4.20
Measurement Duration(s): 160	Attenuation Index: 11

Z-Average Size (nm): 27.06	Peak 1 Mean: 7.29	% (Intensity): 45	Width: 1.088
Polydispersity Index: 0.515	Peak 2 Mean: 144.6	% (Intensity): 34	Width: 37.32
	Peak 3 Mean: 1561	% (Intensity): 19	Width: 486.5

**FIG. 11C**

Count Rate (Kcps): 149	Measurement Position (mm): 4.20
Measurement Duration(s): 80	Attenuation Index: 11

Z-Average Size (nm): 33.52	Peak 1 Mean: 38.36	% (Intensity): 95	Width: 16.62
Polydispersity Index: 0.215	Peak 2 Mean: 2135	% (Intensity): 4	Width: 363.6
	Peak 3 Mean: 0	% (Intensity): 0	Width: 0

**FIG. 12A**

13 / 13

Count Rate (Kcps): 141	Measurement Position (mm): 4.20
Measurement Duration(s): 80	Attenuation Index: 11

Z-Average Size (nm): 43.57	Peak 1 Mean: 26.57	% (Intensity): 45	Width: 4.857
Polydispersity Index: 0.327	Peak 2 Mean: 88.23	% (Intensity): 50	Width: 20.09
	Peak 3 Mean: 2358	% (Intensity): 4	Width: 273

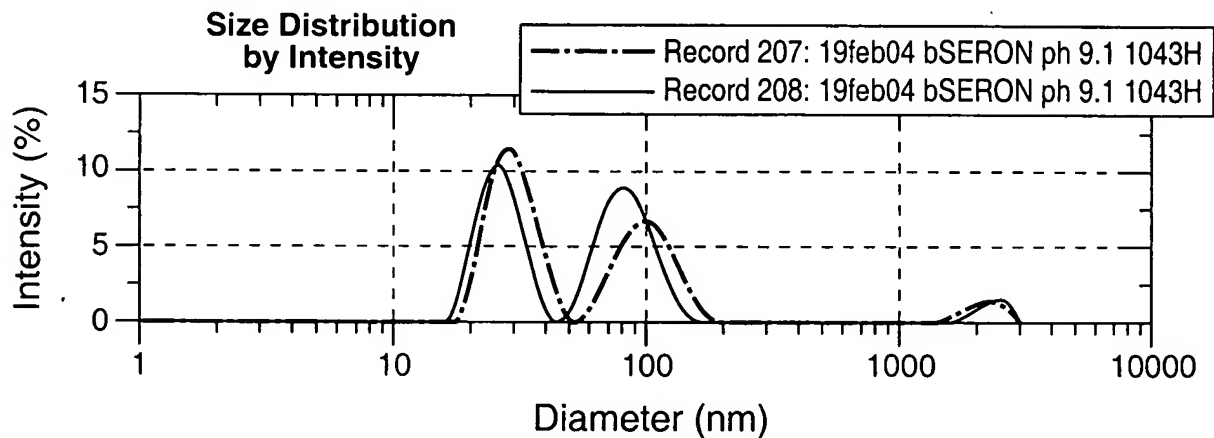


FIG. 12B

Count Rate (Kcps): 49	Measurement Position (mm): 4.20
Measurement Duration(s): 140	Attenuation Index: 11

Z-Average Size (nm): 70.41	Peak 1 Mean: 8.44	% (Intensity): 38	Width: 1.842
Polydispersity Index: 0.385	Peak 2 Mean: 37.9	% (Intensity): 3	Width: 7.005
	Peak 3 Mean: 170.6	% (Intensity): 34	Width: 56.86

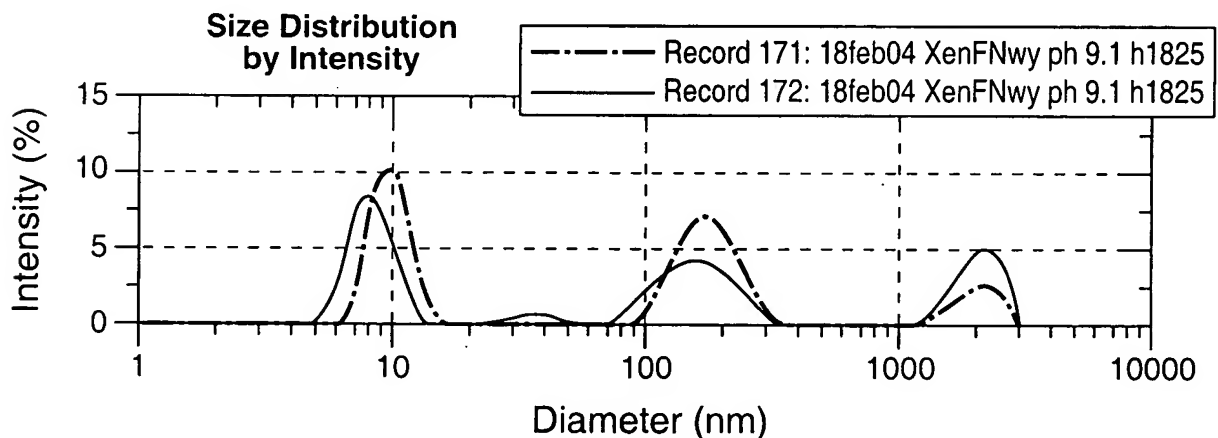


FIG. 12C